

| <b>L<br/>Number</b> | <b>Hits</b>   | <b>Search Text</b>  | <b>DB</b>   | <b>Time stamp</b>           |
|---------------------|---------------|---|---|-----------------------------|
| <b>1</b>            | <b>95541</b>  | <b>polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth</b>                 | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>14:51</b> |
| <b>2</b>            | <b>1</b>      | <b>"6325910" and (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)</b> | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>12:53</b> |
| <b>3</b>            | <b>2</b>      | <b>"5421989" and (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)</b> | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>13:02</b> |
| <b>4</b>            | <b>30253</b>  | <b>"gum arabic" "arabic gum"</b>  | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>13:01</b> |
| <b>5</b>            | <b>1</b>      | <b>("gum arabic" "arabic gum") near5 pyroly\$4</b>  | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>13:02</b> |
| <b>6</b>            | <b>1</b>      | <b>("gum arabic" "arabic gum") near10 pyroly\$4</b>   | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>13:02</b> |
| <b>7</b>            | <b>3</b>      | <b>"5421989" and pyroly\$7</b>  | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>13:14</b> |
| <b>8</b>            | <b>676584</b> | <b>ph</b>   | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>13:14</b> |
| <b>9</b>            | <b>1575</b>   | <b>ph same "gum arabic"</b>   | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>13:14</b> |
| <b>10</b>           | <b>1565</b>   | <b>(ph same "gum arabic") not "noble metals"</b>  | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>13:14</b> |
| <b>11</b>           | <b>10</b>     | <b>(ph same "gum arabic") not ((ph same "gum arabic") not "noble metals")</b>   | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>13:14</b> |
| <b>12</b>           | <b>776</b>    | <b>502/101</b>  | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>13:14</b> |
| <b>13</b>           | <b>152</b>    | <b>502/101 and ph</b>   | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</b> | <b>2003/09/27<br/>13:15</b> |

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| 14 | 1    | (502/101 and ph) and ("gum arabic" "arabic gum")  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:15 |
| 15 | 151  | (502/101 and ph) not ((502/101 and ph) and ("gum arabic" "arabic gum"))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:15 |
| 16 | 4    | ((502/101 and ph) not ((502/101 and ph) and ("gum arabic" "arabic gum"))) and (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:16 |
| 17 | 145  | "5421989" "6325910" "6391818" "6462095" "3992512" "4876115"   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:17 |
| 18 | 42   | ("5421989" "6325910" "6391818" "6462095" "3992512" "4876115" ) and ph   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:17 |
| 19 | 3    | ((("5421989" "6325910" "6391818" "6462095" "3992512" "4876115" ) and ph) and (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:18 |
| 20 | 3097 | ph with (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:19 |
| 21 | 876  | (ph with (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) with ("6" "7" "8" neutral)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:24 |
| 22 | 510  | ((ph with (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) with ("6" "7" "8" neutral)) not (colloid\$2 suspension)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:24 |
| 23 | 366  | ((ph with (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) with ("6" "7" "8" neutral)) not (((ph with (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) with ("6" "7" "8" neutral)) not (colloid\$2 suspension)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:24 |
| 24 | 313  | ((ph with (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) with ("6" "7" "8" neutral)) not (((ph with (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) with ("6" "7" "8" neutral)) not (colloid\$2 suspension)) | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/09/27<br>13:25 |

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| 25 | 761    | (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) with ((ph near5 ("5" "6" "7" "8" neutral)))   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:29 |
| 26 | 757    | ((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) with ((ph near5 ("5" "6" "7" "8" neutral)))) NOT (NOBLE ADJ METAL\$1)  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:29 |
| 27 | 4      | ((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) with ((ph near5 ("5" "6" "7" "8" neutral)))) NOT (((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) with ((ph near5 ("5" "6" "7" "8" neutral)))) NOT (NOBLE ADJ METAL\$1)) | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:29 |
| 28 | 1762   | (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) SAME ((ph near5 ("5" "6" "7" "8" neutral)))   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:31 |
| 29 | 1756   | ((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) NOT (NOBLE ADJ METAL\$1)  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:29 |
| 30 | 6      | ((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) NOT (((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) NOT (NOBLE ADJ METAL\$1)) | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:31 |
| 31 | 50702  | COLLOID  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:31 |
| 32 | 84833  | COLLOIDAL  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:31 |
| 33 | 116475 | COLLOID COLLOIDAL  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:31 |
| 34 | 3320   | (COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:03 |
| 35 | 416    | ((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:31 |

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| 36 | 216 | (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (PT PD RH IR RU OS AU AG ((NOBLE TRANSITION) ADJ METAL\$1))  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:46 |
| 37 | 200 | (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (PT PD RH IR RU OS AU AG ((NOBLE TRANSITION) ADJ METAL\$1)))  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:34 |
| 38 | 5   | (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (PT PD RH IR RU OS AU AG ((NOBLE TRANSITION) ADJ METAL\$1)))  | EPO; JPO;<br>DERWENT           | 2003/09/27<br>13:33 |
| 39 | 195 | (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (PT PD RH IR RU OS AU AG ((NOBLE TRANSITION) ADJ METAL\$1))) NOT (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (PT PD RH IR RU OS AU AG ((NOBLE TRANSITION) ADJ METAL\$1))) | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:41 |
| 40 | 2   | 5421989.PN.   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:38 |

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| 41 | 15 | ("2702253"   "3011920"   "3099608"  <br>"3984290"   "4631117"   "4634468"  <br>"4652311"   "4683036"   "4725314"  <br>"4810333"   "4891069"   "4895739"  <br>"4969979"   "5071517"   "5145572").PN.   | USPAT                          | 2003/09/27<br>13:36 |
| 42 | 3  | 5421989.URPN.   | USPAT                          | 2003/09/27<br>13:36 |
| 43 | 10 | ((("2702253"   "3011920"   "3099608"  <br>"3984290"   "4631117"   "4634468"  <br>"4652311"   "4683036"   "4725314"  <br>"4810333"   "4891069"   "4895739"  <br>"4969979"   "5071517"   "5145572").PN.)<br>5421989.URPN.) AND PH   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:37 |
| 44 | 6  | "910959"  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:39 |
| 45 | 1  | "910959"  | US-PGPUB                       | 2003/09/27<br>13:39 |
| 46 | 0  | ((((COLLOID COLLOIDAL) SAME ((ph near5<br>("5" "6" "7" "8" neutral)))) AND<br>(polysaccharide heterpolysaccharide "gum<br>arabic" "arabic gum" "gum xanthan" "xanthan<br>gum" tragacanth)) NOT (((COLLOID<br>COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8"<br>neutral)))) AND (polysaccharide<br>heterpolysaccharide "gum arabic" "arabic<br>gum" "gum xanthan" "xanthan gum"<br>tragacanth)) NOT (PT PD RH IR RU OS AU AG<br>((NOBLE TRANSITION) ADJ METAL\$1)))) NOT<br>((((COLLOID COLLOIDAL) SAME ((ph near5<br>("5" "6" "7" "8" neutral)))) AND<br>(polysaccharide heterpolysaccharide "gum<br>arabic" "arabic gum" "gum xanthan" "xanthan<br>gum" tragacanth)) NOT (((COLLOID<br>COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8"<br>neutral)))) AND (polysaccharide<br>heterpolysaccharide "gum arabic" "arabic<br>gum" "gum xanthan" "xanthan gum"<br>tragacanth)) NOT (PT PD RH IR RU OS AU AG<br>((NOBLE TRANSITION) ADJ METAL\$1)))) AND<br>502/101 | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:43 |

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| 47 | 0 | <p>((((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (PT PD RH IR RU OS AU AG ((NOBLE TRANSITION) ADJ METAL\$1)))) NOT (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (PT PD RH IR RU OS AU AG ((NOBLE TRANSITION) ADJ METAL\$1)))) AND 252/514</p>      | <p>USPAT;<br/>EPO; JPO;<br/>DERWENT</p> | <p>2003/09/27<br/>13:41</p> |
| 48 | 3 | <p>((((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (PT PD RH IR RU OS AU AG ((NOBLE TRANSITION) ADJ METAL\$1)))) NOT (((COLLOID COLLOIDAL) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT (PT PD RH IR RU OS AU AG ((NOBLE TRANSITION) ADJ METAL\$1)))) AND 516/\$.CCLS.</p> | <p>USPAT;<br/>EPO; JPO;<br/>DERWENT</p> | <p>2003/09/27<br/>13:41</p> |
| 49 | 0 | <p>((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND 502/101</p>   | <p>USPAT;<br/>EPO; JPO;<br/>DERWENT</p> | <p>2003/09/27<br/>13:43</p> |
| 50 | 1 | <p>((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND 252/514</p>   | <p>USPAT;<br/>EPO; JPO;<br/>DERWENT</p> | <p>2003/09/27<br/>13:43</p> |

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| 51 | 162  | ((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND COLLOID  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:46 |
| 52 | 121  | (((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND COLLOID) NOT (PT PD RH IR RU OS AU AG ((NOBLE) ADJ METAL\$1))   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:10 |
| 53 | 41   | (((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND COLLOID) not (((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) SAME ((ph near5 ("5" "6" "7" "8" neutral)))) AND COLLOID) NOT (PT PD RH IR RU OS AU AG ((NOBLE) ADJ METAL\$1))) | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:53 |
| 54 | 2    | 4744760.pn.   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:53 |
| 55 | 1    | 4744760.pn. and concentration   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:56 |
| 56 | 1    | 4744760.pn. and weight  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:58 |
| 57 | 4864 | chlorine near5 concentration  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:58 |
| 58 | 926  | (chlorine near5 concentration) with (ppm ppb "parts per")   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:58 |
| 59 | 749  | ((chlorine near5 concentration) with (ppm ppb "parts per")) NOT (PT PD RH IR RU OS AU AG ((NOBLE) ADJ METAL\$1))  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:58 |
| 60 | 177  | ((chlorine near5 concentration) with (ppm ppb "parts per")) not (((chlorine near5 concentration) with (ppm ppb "parts per")) NOT (PT PD RH IR RU OS AU AG ((NOBLE) ADJ METAL\$1)))  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:58 |
| 61 | 149  | (((chlorine near5 concentration) with (ppm ppb "parts per")) not (((chlorine near5 concentration) with (ppm ppb "parts per")) NOT (PT PD RH IR RU OS AU AG ((NOBLE) ADJ METAL\$1)))) not (colloid\$3 suspension)  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>13:58 |

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| 62 | 28      | (((chlorine near5 concentration) with (ppm ppb "parts per")) not (((chlorine near5 concentration) with (ppm ppb "parts per")) NOT (PT PD RH IR RU OS AU AG ((NOBLE) ADJ METAL\$1)))) not (((chlorine near5 concentration) with (ppm ppb "parts per")) not (((chlorine near5 concentration) with (ppm ppb "parts per")) NOT (PT PD RH IR RU OS AU AG ((NOBLE) ADJ METAL\$1)))) not (colloid\$3 suspension)) | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:00 |
| 63 | 172     | "3992512" "4876115" "5211984" "5861222"  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:09 |
| 64 | 0       | ("3992512" "4876115" "5211984" "5861222") and (chlorine near5 concentration)   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:00 |
| 65 | 0       | ("3992512" "4876115" "5211984" "5861222") and ((polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) SAME ((ph near5 ("5" "6" "7" "8" neutral))))   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:00 |
| 66 | 1       | ("3992512" "4876115" "5211984" "5861222") and (chlorine near5 (concentration ppm ppb "parts per"))   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:10 |
| 67 | 7644    | (chlorine near5 (concentration ppm ppb "parts per"))   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:48 |
| 68 | 6727400 | (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:57 |
| 69 | 7020    | ( (chlorine near5 (concentration ppm ppb "parts per")) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:32 |
| 70 | 624     | ( (chlorine near5 (concentration ppm ppb "parts per")) not (( (chlorine near5 (concentration ppm ppb "parts per")) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:32 |
| 71 | 336     | (( (chlorine near5 (concentration ppm ppb "parts per")) not (( (chlorine near5 (concentration ppm ppb "parts per")) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.                       | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:35 |



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|----|-----|---|--------------------------------|---------------------|
| 72 | 101 | ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not (nanoparticle\$1 microparticle\$1 particle\$1 granule\$1 grain\$1 particulate\$1)  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:35 |
| 73 | 235 | ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not (nanoparticle\$1 microparticle\$1 particle\$1 granule\$1 grain\$1 particulate\$1))                                    | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:35 |
| 74 | 158 | ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not (nanoparticle\$1 microparticle\$1 particle\$1 granule\$1 grain\$1 particulate\$1)) not (colloid colloidal suspension) | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:36 |

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| 75 | 77 | <p>((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not (nanoparticle\$1 microparticle\$1 particle\$1 granule\$1 grain\$1 particulate\$1))) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not (nanoparticle\$1 microparticle\$1 particle\$1 granule\$1 grain\$1 particulate\$1))) not (colloid colloidal suspension))</p> | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:35 |
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| 76 | 156 | <p>((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not (nanoparticle\$1 microparticle\$1 particle\$1 granule\$1 grain\$1 particulate\$1))) not (colloid colloidal suspension emulsion)</p> | <p>USPAT;<br/>EPO; JPO;<br/>DERWENT</p> | <p>2003/09/27<br/>14:37</p> |
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| 77 | 79 | <p>((( (chlorine near5 (concentration ppm ppb "parts per")) not (( (chlorine near5 (concentration ppm ppb "parts per")) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not ((( (chlorine near5 (concentration ppm ppb "parts per")) not (( (chlorine near5 (concentration ppm ppb "parts per")) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not (nanoparticle\$1 microparticle\$1 particle\$1 granule\$1 grain\$1 particulate\$1))) not ((( (chlorine near5 (concentration ppm ppb "parts per")) not (( (chlorine near5 (concentration ppm ppb "parts per")) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not ((( (chlorine near5 (concentration ppm ppb "parts per")) not (( (chlorine near5 (concentration ppm ppb "parts per")) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not (nanoparticle\$1 microparticle\$1 particle\$1 granule\$1 grain\$1 particulate\$1))) not (colloid colloidal suspension emulsion))</p> | <p>USPAT;<br/>EPO; JPO;<br/>DERWENT</p> | <p>2003/09/27<br/>14:36</p> |
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| 78 | 71 | <p> (((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not (nanoparticle\$1 microparticle\$1 particle\$1 granule\$1 grain\$1 particulate\$1))) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).clm.)) and (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))))).ab.) not (nanoparticle\$1 microparticle\$1 particle\$1 granule\$1 grain\$1 particulate\$1))) not (colloid colloidal suspension emulsion))) not (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) </p> | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:36 |
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[illegible]

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| 80 | 6254 | ( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion)  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:37 |
| 81 | 1390 | ( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:37 |
| 82 | 1267 | (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:37 |
| 83 | 123  | (( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:46 |
| 84 | 47   | (((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) not ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))) | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:46 |

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| 85 | 76 | ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) not ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)))) | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:47 |
| 86 | 69 | ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not ((( (chlorine near5 (concentration ppm ppb "parts per")))) not (( (chlorine near5 (concentration ppm ppb "parts per")))) not (colloid colloidal suspension emulsion))) not (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) not ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)))) | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:48 |
| 87 | 23 | stamp-l\$.in.  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:48 |



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| 88 | 0     | stamp-I\$.in. and ( (chlorine near5 (concentration ppm ppb "parts per")))   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:48 |
| 89 | 0     | stamp-I\$.in. and (chlorine cl)   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:48 |
| 90 | 26620 | (chlori?e near5 (concentration ppm ppb "parts per"))  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:48 |
| 91 | 28640 | ((chlorine chloride cl) near5 (concentration ppm ppb "parts per"))  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:51 |
| 92 | 1     | ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) AND stamp-I\$.in.  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:49 |
| 93 | 0     | (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) AND stamp-I\$.in.) NOT (polysaccharide heterpolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:49 |
| 94 | 26780 | ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (polysaccharide heterpolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:49 |
| 95 | 1860  | ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (polysaccharide heterpolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))   | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:50 |
| 96 | 872   | (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (polysaccharide heterpolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))) | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:50 |

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| 97  | 988     | (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ((( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)))) | USPAT;<br>EPO; JPO;<br>DERWENT              | 2003/09/27<br>14:50 |
| 98  | 9       | (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ((( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)))) | EPO; JPO;<br>DERWENT                        | 2003/09/27<br>14:50 |
| 99  | 25621   | ((chlorine chloride cl) near5 (concentration ppm ppb "parts per"))  | USPAT;<br>US-PGPUB                          | 2003/09/27<br>15:06 |
| 100 | 23450   | (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:51 |
| 101 | 2171    | (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>14:51 |
| 102 | 4505612 | (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1))  | USPAT;<br>US-PGPUB                          | 2003/09/27<br>14:52 |

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| 103 | 1001 | (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)))   | USPAT;<br>US-PGPUB | 2003/09/27<br>14:52 |
| 104 | 1170 | (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ((( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)))   | USPAT;<br>US-PGPUB | 2003/09/27<br>14:52 |
| 105 | 207  | (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ((( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)))) NOT (COLLOID\$2 SUSPENSION SOL EMULSION) | USPAT;<br>US-PGPUB | 2003/09/27<br>14:53 |

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| 107 | 811 | ((( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ((( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)))) NOT ((( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ((( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)))) NOT (COLLOID\$2 SUSPENSION SOL EMULSION)) | USPAT | 2003/09/27<br>14:53 |
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| 108 | 736 | <p> (((( ((chlorine chloride cl) near5<br/> (concentration ppm ppb "parts per")))) NOT ((<br/> ((chlorine chloride cl) near5 (concentration<br/> ppm ppb "parts per")))) NOT (polysaccharide<br/> heteropolysaccharide "gum arabic" "arabic<br/> gum" "gum xanthan" "xanthan gum"<br/> tragacanth))) NOT ((( ((chlorine chloride cl)<br/> near5 (concentration ppm ppb "parts per"))))<br/> NOT (( ((chlorine chloride cl) near5<br/> (concentration ppm ppb "parts per")))) NOT<br/> (polysaccharide heteropolysaccharide "gum<br/> arabic" "arabic gum" "gum xanthan" "xanthan<br/> gum" tragacanth))) NOT ( (PT PD RH IR RU OS<br/> AU AG platinum palladium rhodium iridium<br/> ruthenium osmium gold silver ((NOBLE) ADJ<br/> METAL\$1)))) NOT ((( ((chlorine chloride cl)<br/> near5 (concentration ppm ppb "parts per"))))<br/> NOT (( ((chlorine chloride cl) near5<br/> (concentration ppm ppb "parts per")))) NOT<br/> (polysaccharide heteropolysaccharide "gum<br/> arabic" "arabic gum" "gum xanthan" "xanthan<br/> gum" tragacanth))) NOT ((( ((chlorine chloride<br/> cl) near5 (concentration ppm ppb "parts<br/> per")))) NOT (( ((chlorine chloride cl) near5<br/> (concentration ppm ppb "parts per")))) NOT<br/> (polysaccharide heteropolysaccharide "gum<br/> arabic" "arabic gum" "gum xanthan" "xanthan<br/> gum" tragacanth))) NOT ( (PT PD RH IR RU OS<br/> AU AG platinum palladium rhodium iridium<br/> ruthenium osmium gold silver ((NOBLE) ADJ<br/> METAL\$1)))) NOT (COLLOID\$2 SUSPENSION<br/> SOL EMULSION))) AND PH </p> | USPAT | 2003/09/27<br>14:53 |
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| 106 | 963   | ((( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ((( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)))) NOT ((( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ((( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) NOT (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth))) NOT ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)))) NOT (COLLOID\$2 SUSPENSION SOL EMULSION)) | USPAT;<br>US-PGPUB                          | 2003/09/27<br>14:54 |
| 109 | 65708 | (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLOIDAL EMULSION SOL SUSPENSION)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:06 |
| 110 | 978   | ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLOIDAL EMULSION SOL SUSPENSION)) AND ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:02 |
| 111 | 0     | ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLOIDAL EMULSION SOL SUSPENSION)) AND ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))  | EPO; JPO;<br>DERWENT                        | 2003/09/27<br>15:02 |

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| 112 | 874 | ( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)) AND ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per"))))  | USPAT                          | 2003/09/27<br>15:02 |
| 113 | 750 | (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)) AND ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) AND PH  | USPAT                          | 2003/09/27<br>15:02 |
| 114 | 456 | (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)) AND ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) AND ((ph near5 ("5" "6" "7" "8" neutral)))  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:03 |
| 115 | 70  | (( (PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)) AND ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) AND ((ph near5 ("5" "6" "7" "8" neutral))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)                             | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:04 |
| 116 | 8   | ("3011920"   "3647440"   "4004051"   "4634468"   "4652311"   "4725314"   "5160452"   "5421989").PN.  | USPAT                          | 2003/09/27<br>15:04 |
| 117 | 1   | ((("3011920"   "3647440"   "4004051"   "4634468"   "4652311"   "4725314"   "5160452"   "5421989").PN.) AND ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per"))))  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:04 |
| 118 | 6   | ((("3011920"   "3647440"   "4004051"   "4634468"   "4652311"   "4725314"   "5160452"   "5421989").PN.) AND PH  | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:05 |
| 119 | 55  | (( ((PT PD RH IR RU OS AU AG platinum palladium rhodium iridium ruthenium osmium gold silver ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)) AND ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) AND ((ph near5 ("5" "6" "7" "8" neutral))) AND (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) NOT ("silver halide").ti. | USPAT;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:05 |

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| 120 | 15042 | (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:15 |
| 121 | 25069 | ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) not ( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:06 |
| 122 | 15042 | ( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)) not (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) not ( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:06 |
| 123 | 13315 | (( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)) not (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")) not ( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)))) not (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:06 |



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| 124 | 1727  | (( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)) not (( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) not ( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)))) not ((( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)) not (( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) not ( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION)))) not (polysaccharide heteropolysaccharide "gum arabic" "arabic gum" "gum xanthan" "xanthan gum" tragacanth)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT             | 2003/09/27<br>15:06 |
| 125 | 31330 | ((chlorine chloride cl) near5 (concentration ppm ppb "parts per"))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/09/27<br>15:06 |
| 126 | 30756 | (( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")) not ( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT             | 2003/09/27<br>15:07 |
| 127 | 555   | (( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")) not (( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) not ( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION))))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT             | 2003/09/27<br>15:08 |
| 128 | 3     | (( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")) not (( (chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) not ( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLIODAL EMULSION SOL SUSPENSION))))   | EPO; JPO;<br>DERWENT                                    | 2003/09/27<br>15:07 |

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| 129 | 36     | (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) not (( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) not ( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR10 (COLLOID COLLOIDAL EMULSION SOL SUSPENSION)))) and ((cl chorine chloride halogen) with (corro\$6 aging)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:16 |
| 130 | 621    | 502/101.ccls.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:13 |
| 131 | 16     | 502/101.ccls. and ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per"))))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:14 |
| 132 | 1431   | 429/40   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:14 |
| 133 | 22     | 429/40 and ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per"))))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:14 |
| 134 | 102244 | (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR4 (catalyst\$1)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:16 |
| 135 | 2138   | ( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR4 (catalyst\$1)) and ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per"))))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:16 |
| 136 | 171    | (( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR4 (catalyst\$1)) and ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) and ((cl chorine chloride halogen) with (corro\$6 aging))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:16 |
| 137 | 94     | (( (PT PD RH IR RU OS AU platinum palladium rhodium iridium ruthenium osmium gold ((NOBLE) ADJ METAL\$1)) NEAR4 (catalyst\$1)) and ( ((chlorine chloride cl) near5 (concentration ppm ppb "parts per")))) and ((cl chorine chloride halogen) with (corro\$6 rust\$3))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/27<br>15:17 |